



MATERIAL SAFETY DATA SHEET

Trade Name: AphronICS™

Revision Date: 22-Dec-09

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: AphronICS™

Chemical Family: Mixture

Product Use: AphronICS

Emergency Telephone (24 hr.): (ChemTrec) 800-424-9300

Supplied by: HiTech Fluid Systems Ltd.
1800, 505 - 3rd Street S.W.
Calgary, AB T2P 3E6
Tel: 403.547.2906
Fax: 403.547.3129
www.hitechfluid.com

Revision Number: 3

2. HAZARDOUS INGREDIENTS

None know. No components have exposure limits listed by ACGIH, NIOSH, or OSHA.

3. FIRST AID MEASURES

Ingestion: Drink plenty of water to dilute.

Inhalation: Remove to fresh air. If difficulty noted in breathing, get medical attention at once.

Skin Contact: Wash affected areas with soap and water.

Eye: Flush with water for at least 15 minutes, holding eyelids apart. Get medical attention.

4. FIRE FIGHTING MEASURES

Flash Point: None

Auto Ignition Temperature: None

Flammable Limits in Air – Lower(%): None

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Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

Extinguishing Media: Will not burn until all of the water has evaporated, then any media

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5. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak: Absorb with absorbent material or flush with water to a municipal treatment facility for biodegradation.

EPA Registry Number: None

Environmental Toxicity Data: None. Should be environmentally benign

6. HANDLING AND STORAGE

Precautions to be Taken in Handling and Storing: Keep container tightly closed.

7. PERSONAL PROTECTION

Respiratory Protection: None should be needed if properly handled.

Ventilation: Not required

Protective Gloves: Butyl or neoprene rubber.

Eye Protection: Safety goggles recommended.

Other Protective Equipment: Emergency eye wash station should be available

Other Control Measures: Should not be necessary

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA Permissible Exposure Limit: None listed for any component

ACGIH Threshold Limit Value: None listed for any component

Primary Route(s) of Exposure: Skin

Acute Effects of Overexposure:

Eye: May cause mild irritation, redness

Skin: May cause mild irritation

Inhalation: None known

Ingestion: None known

Chronic Health Hazards: None known

Listed as Carcinogen or Potential Carcinogen: No

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brown, viscous liquid

Solubility in Water @ 20°C (wt. %): >99%

Specific Gravity (H2O=1): 0.983

pH: 10.3

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Hazardous Combustion or Decomposition Products: Oxides of nitrogen and carbon.

Incompatibility (materials to avoid): Strong oxidizing agents

Hazardous Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

Product Toxicological Data: Contact HiTech Fluid Systems for available product toxicological data.

12. ECOLOGICAL INFORMATION

Product Ecotoxicity Data: Contact HiTech Fluid Systems for available product ecotoxicity data.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Biodegrade

14. TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

Proper Shipping Name (49 CFR 172.101-102): None

Hazard Classification (49 CFR 172.101-102): None

Labels Required (49 CFR 172.101-102): None

Placards Required (49 CFR 172.504): None

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15. REGULATORY INFORMATION

Status on Substance Lists:

FEDERAL EPA

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT OF 1980

(CERCLA): requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQ's) in 40 CFR 302.4. Components present in this product are at a level which could require reporting under the statute are:

<u>Substance</u>	<u>CAS No.</u>	<u>Percent</u>
None		

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III: requires emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on Reportable Quantities (RQ's) in 40 CFR 355. Components in this product at a level which could require reporting under the statute are:

<u>Substance</u>	<u>CAS No.</u>	<u>Percent</u>
None		

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III:, Section 311 and 312, requires reporting to certain authorities of hazardous chemicals under the Occupational Safety and Health Act of 1970 (29 CFR 1910.1200). This product should be considered as having Acute Health Effects.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III: requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all MSDS's that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statutes are:

<u>Substance</u>	<u>CAS No.</u>	<u>Percent</u>
None		

TOXIC SUBSTANCES CONTROL ACT (TSCA) Status: All ingredients are on the Inventory list

HAZARDOUS WASTE, 40 CFR 261: No

TEXAS SOLID WASTE DISPOSAL ACT, 31 TAC 335.501+, provides for the self classification of industrial solid waste. This product may be classified as Class 1 waste.

16. OTHER INFORMATION

The following sections have been revised: 1

Disclaimer:

MSDS furnished independent of product sale. While every effort has been made to accurately describe this product, some of the data are obtained from sources beyond our direct supervision. We can not make any assertions as to its reliability or completeness; therefore, user may rely on it only at user's risk. We have made no effort to censor or conceal deleterious aspects of this product. Since we cannot anticipate or control the conditions under which this information and product may be used, we make no guarantee that the precautions we have suggested will be adequate for all individuals and/or situations. It is the obligation of each user of this product to comply with the requirements of all applicable laws regarding use and disposal of this product. Additional information will be furnished upon request to assist the user; however, no warranty, either expressed or implied, nor liability of any nature with respect to this product or to the data herein is made or incurred hereunder.